

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L18	120	375/354-376.CCLS. AND "duty ratio"	US-PGPUB; USPAT	OR	ON	2007/10/30 09:34
L19	16	TOTSUKA.IN. AND HIROFUMI.IN.	US-PGPUB; USPAT	OR	ON	2007/10/30 09:34
L20	11	TAGAMI.IN. AND HITOYUKI.IN.	US-PGPUB; USPAT	OR	ON	2007/10/30 09:34
S1	1097	375/355.CCLS.	US-PGPUB; USPAT	OR	ON	2007/08/20 07:31
S2	92	S1 AND (frequency WITH divide)	US-PGPUB; USPAT	OR	ON	2007/08/20 07:33
S3	73	S2 AND @ad<"20030501"	US-PGPUB; USPAT	OR	ON	2007/08/20 08:09
S4	858	S1 AND @ad<"20030501"	US-PGPUB; USPAT	OR	ON	2007/08/20 08:15
S5	179	S4 AND divide	US-PGPUB; USPAT	OR	ON	2007/08/20 08:15
S6	106	S5 NOT S2	US-PGPUB; USPAT	OR	ON	2007/08/20 08:29
S7	0	S6 AND S2	US-PGPUB; USPAT	OR	ON	2007/08/20 08:29
S8	198	S6 OR S2	US-PGPUB; USPAT	OR	ON	2007/08/20 08:29
S9	679	S4 NOT S8	US-PGPUB; USPAT	OR	ON	2007/08/20 08:32
S10	208	S9 AND "phase locked loop"	US-PGPUB; USPAT	OR	ON	2007/08/20 09:02
S11	198	S8 NOT S10	US-PGPUB; USPAT	OR	ON	2007/08/20 09:03
S12	406	S8 OR S10	US-PGPUB; USPAT	OR	ON	2007/08/20 09:03
S13	471	S4 NOT S12	US-PGPUB; USPAT	OR	ON	2007/08/20 09:03
S14	6	("5740213"   "5828250"   "5907253"   "6011732"   "6035409"   "6285726").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/20 10:10
S15	8	("6901126").URPN.	USPAT	OR	ON	2007/08/20 10:11
S16	13	("20020075981"   "4590602".   "5301196"   "5727037"   "5736961"   "6028903"   "6057739"   "6100722"   "6252443"   "6288589"   "6476653"   "6822483"   "6910144").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/20 10:12
S17	0	("7197102").URPN.	USPAT	OR	ON	2007/08/20 10:13

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S18	9	("4672597"   "4704711"   "5440532"   "5553055"   "5559513"   "5579004"   "5589830"   "5590100"   "5848047").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/20 10:13
S19	2	("5987082").URPN.	USPAT	OR	ON	2007/08/20 10:14
S20	12	("4841489"   "4881059"   "4910755"   "5105447"   "5134637"   "5196853"   "5197082"   "5260836"   "5282223"   "5313496"   "5363416"   "5450450").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/20 10:15
S21	8	("20010026179" "4630283" "4672639" "5187479" "5315299" "5977822" "6125157" "6247138").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/20 10:16
S22	2	("6008676" "6388492").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/20 10:16
S23	0	("2003/0021369").URPN.	USPAT	OR	ON	2007/08/20 10:17
S24	9	("20020085656"   "3980826"   "4821297"   "5467040"   "6034558"   "6151356"   "6178212"   "6493320"   "6496540").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/20 10:17
S25	8	("20020056069"   "20020133730"   "20030061564"   "5587709"   "5892631"   "6229861"   "6266799"   "6868134").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/20 10:17
S26	0	("7142621").URPN.	USPAT	OR	ON	2007/08/20 10:18
S27	4	("5850422"   "6031886"   "6262611"   "6373911").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/20 10:18
S28	4	("4841551"   "5068628"   "5415172"   "5886552").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/20 10:18
S29	5	("6009134").URPN.	USPAT	OR	ON	2007/08/20 10:20
S30	18	("20010006544"   "20020021153"   "20030185327"   "4424486"   "4816775"   "5485490"   "5570066"   "5920216"   "6002279"   "6122336"   "6310498"   "6363124"   "6397042"   "6473470"   "6509773"   "6570946"   "6901126"   "6922109").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/20 10:20
S31	6	("3790892"   "4513427"   "5436938"   "5661419"   "5771264"   "5875219").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/20 10:21
S32	8	("6028903").URPN.	USPAT	OR	ON	2007/08/20 10:23
S33	8370	375/354-376.CCLS.	USPAT	OR	ON	2007/10/29 09:00
S34	1098	S33 AND "clock recovery"	USPAT	OR	ON	2007/08/20 10:23

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S35	645	S34 AND "phase locked loop"	USPAT	OR	ON	2007/08/20 10:23
S36	616	S35 AND @ad<"20030501"	USPAT	OR	ON	2007/08/20 10:34
S37	1097	375/355.CCLS.	US-PGPUB; USPAT	OR	ON	2007/08/20 10:23
S38	92	S37 AND (frequency WITH divide)	US-PGPUB; USPAT	OR	ON	2007/08/20 10:23
S39	858	S37 AND @ad<"20030501"	US-PGPUB; USPAT	OR	ON	2007/08/20 10:23
S40	179	S39 AND divide	US-PGPUB; USPAT	OR	ON	2007/08/20 10:23
S41	106	S40 NOT S38	US-PGPUB; USPAT	OR	ON	2007/08/20 10:23
S42	198	S41 OR S38	US-PGPUB; USPAT	OR	ON	2007/08/20 10:23
S43	679	S39 NOT S42	US-PGPUB; USPAT	OR	ON	2007/08/20 10:23
S44	208	S43 AND "phase locked loop"	US-PGPUB; USPAT	OR	ON	2007/08/20 10:23
S45	406	S42 OR S44	US-PGPUB; USPAT	OR	ON	2007/08/20 10:23
S46	563	S36 NOT S45	USPAT	OR	ON	2007/08/20 10:23
S47	53	S36 NOT S46	USPAT	OR	ON	2007/08/20 10:25
S48	10236	375/354-376.CCLS.	US-PGPUB; USPAT	OR	ON	2007/08/20 11:00
S49	1418	S48 AND "clock recovery"	US-PGPUB; USPAT	OR	ON	2007/08/20 10:37
S50	856	S49 AND "phase locked loop"	US-PGPUB; USPAT	OR	ON	2007/08/20 10:35
S51	824	S50 NOT S42	US-PGPUB; USPAT	OR	ON	2007/08/20 10:36
S52	1208	S49 AND @ad<"20030501"	US-PGPUB; USPAT	OR	ON	2007/08/20 10:38
S53	9	("4847875" "5301206" "5321369" "5455540" "5495170" "5550515" "5886536" "5953386" "5953386" "6194927").PN.	US-PGPUB; USPAT	OR	ON	2007/08/20 10:38
S54	0	375/354-376.CCLS. WITH (variable ADJ2 delay)	US-PGPUB; USPAT	OR	ON	2007/08/20 11:01
S55	608	375/354-376.CCLS. AND (variable ADJ2 delay)	US-PGPUB; USPAT	OR	ON	2007/08/20 11:01
S56	510	S55 AND @ad<"20030501"	US-PGPUB; USPAT	OR	ON	2007/08/20 11:01
S57	209	S56 AND "phase locked loop"	US-PGPUB; USPAT	OR	ON	2007/08/20 11:47

## EAST Search History

S58	2	("2003/0223525").URPN.	USPAT	OR	ON	2007/08/20 11:05
S59	7	("20020097825" "20030080818" "20030165208" "5479126" "6011822" "6255873" "6292061" "6320435" "6385265" "6775344").PN.	USPAT	OR	ON	2007/08/20 11:05
S60	3	("5329254"   "5382921"   "5418822").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/20 11:30
S61	39	("5687202").URPN.	USPAT	OR	ON	2007/08/20 11:31
S62	192758	"375"/	US-PGPUB; USPAT	OR	ON	2007/08/20 11:47
S63	1533	375/376.CCLS. AND delay	US-PGPUB; USPAT	OR	ON	2007/08/20 11:47
S64	1288	S63 AND @ad<"20030501"	US-PGPUB; USPAT	OR	ON	2007/08/20 11:48
S65	1193	S64 NOT S57	US-PGPUB; USPAT	OR	ON	2007/08/20 11:48
S66	551	S64 AND sample	US-PGPUB; USPAT	OR	ON	2007/08/20 11:49
S67	10375	375/354-376.CCLS.	US-PGPUB; USPAT	OR	ON	2007/10/29 11:06
S68	495	S67 AND "variable delay"	US-PGPUB; USPAT	OR	ON	2007/10/29 09:23
S69	407	S68 AND @ad<"20030501"	US-PGPUB; USPAT	OR	ON	2007/10/29 09:00
S70	197	S69 AND "phase locked"	US-PGPUB; USPAT	OR	ON	2007/10/29 09:00
S71	39	S67 AND ("variable delay" WITH feedback)	US-PGPUB; USPAT	OR	ON	2007/10/29 09:23
S72	30	S71 AND @ad<"20030501"	US-PGPUB; USPAT	OR	ON	2007/10/29 09:23
S73	10	("2770730"   "3662277"   "3769607"   "3859466"   "3942115"   "4282493"   "4297649"   "4336505"   "4420723").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/29 09:32
S74	15	("4521745").URPN.	USPAT	OR	ON	2007/10/29 09:32
S75	4	("5457718"   "5544203"   "5790612"   "5910740").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/29 09:43
S76	19	("6157690").URPN.	USPAT	OR	ON	2007/10/29 09:44
S77	6	("3790892"   "4513427"   "5436938"   "5661419"   "5771264"   "5875219").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/29 09:47
S78	8	("6028903").URPN.	USPAT	OR	ON	2007/10/29 09:48

## EAST Search History

S79	13	("20020075981"   "4590602"   "5301196"   "5727037"   "5736961"   "6028903"   "6057739"   "6100722"   "6252443"   "6288589"   "6476653"   "6822483"   "6910144").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/29 09:51
S80	0	("7197102").URPN.	USPAT	OR	ON	2007/10/29 09:53
S81	5	("3573649"   "4061979"   "4825437"   "5028885"   "5036298").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/29 10:46
S82	15	("5557648").URPN.	USPAT	OR	ON	2007/10/29 10:47
S83	3	("6134280"   "6144708"   "6347126").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/29 11:05
S84	2	("6614840").URPN.	USPAT	OR	ON	2007/10/29 11:05
S85	120	375/354-376.CCLS. AND "duty ratio"	US-PGPUB; USPAT	OR	ON	2007/10/29 11:07
S86	93	S85 AND @ad<"20030501"	US-PGPUB; USPAT	OR	ON	2007/10/29 11:09
S87	1	("5397945").PN.	US-PGPUB; USPAT	OR	ON	2007/10/29 11:10
S88	2525	375/376.ccls.	US-PGPUB; USPAT	OR	ON	2007/10/29 11:21
S89	2096	S88 AND @ad<"20030501"	US-PGPUB; USPAT	OR	ON	2007/10/29 11:21
S90	1295	S89 AND delay	US-PGPUB; USPAT	OR	ON	2007/10/29 11:22
S91	135	S89 AND "variable delay"	US-PGPUB; USPAT	OR	ON	2007/10/29 11:22
S92	121	S91 NOT S71	US-PGPUB; USPAT	OR	ON	2007/10/29 11:31
S93	373	S67 AND (delay WITH output WITH oscillator).	US-PGPUB; USPAT	OR	ON	2007/10/29 11:31
S94	309	S93 AND @ad<"20030501"	US-PGPUB; USPAT	OR	ON	2007/10/29 11:31
S95	279	S94 NOT S92	US-PGPUB; USPAT	OR	ON	2007/10/29 11:31
S96	270	S95 NOT S71	US-PGPUB; USPAT	OR	ON	2007/10/29 11:31
S97	14	("4611230").URPN.	USPAT	OR	ON	2007/10/29 11:43
S98	4	("4025951"   "4231064"   "4298890"   "4521745").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/29 11:44
S99	1	"6259755".pn.	US-PGPUB; USPAT	OR	ON	2007/10/29 11:52

## EAST Search History

S10 0	1	"6154511".pn.	US-PGPUB; USPAT	OR	ON	2007/10/29 11:53
S10 1	1	"20010010670"	US-PGPUB; USPAT	OR	ON	2007/10/29 11:53
S10 2	14	"6236696"	US-PGPUB; USPAT	OR	ON	2007/10/29 11:53
S10 3	1	"6236696".pn.	US-PGPUB; USPAT	OR	ON	2007/10/29 12:00
S10 4	2	"20030091138"	US-PGPUB; USPAT	OR	ON	2007/10/29 12:00